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ART UNIT	PAPER NUMBER
4146	

NOTIFICATION DATE	DELIVERY MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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PTOL-90A (Rev. 04/07)

	Application No.	Applicant(s)
Office Action Summary	10/577,485	GUSTAVSSON ET AL.
	Examiner	Art Unit
	PAKEE FANG	4146

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>27 April 2006</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-27</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-27</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>27 April 2006</u> is/are: a)☐ accepted or b)☒ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All   b)☐ Some * c)☐ None of:

      1.☒ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>04/27/2006</u>.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____ .

DETAILED ACTION

1.   **Claims 1 - 27 are presented for examination.**

Priority

2.   Acknowledgment is made of applicant's claim for foreign priority & domestic priority

under 35 U.S.C. 119(a)-(d). The certified copy has been filed in the application filed on

04/20/2006.

Information Disclosure Statement

3.   The information disclosure statement (IDS) submitted on 04/27/2006 is in compliance

with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being

considered by the examiner.

Drawings

4.   The drawings are objected to under 37 CFR 1.83(a). The drawings must show every

feature of the invention specified in the claims. Therefore, the *"information management unit"*,

the "administration interface", the "base", & the "substrate" must be shown or the feature(s)

canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to

the Office action to avoid abandonment of the application. Any amended replacement drawing

sheet should include all of the figures appearing on the immediate prior version of the sheet,

even if only one figure is being amended. The figure or figure number of an amended drawing

should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure

must be removed from the replacement sheet, and where necessary, the remaining figures must

be renumbered and appropriate changes made to the brief description of the several views of the

drawings for consistency. Additional replacement sheets may be necessary to show the

renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an

application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet"

pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will

be notified and informed of any required corrective action in the next Office action. The

objection to the drawings will not be held in abeyance.

5.   Figure 4a - 4c should be designated by a legend such as --Prior Art-- because only that

which is old is illustrated, also the applicant stated "FIGS. 4a-4c show the information

management unit of FIG. 1 as incorporated in three different prior-art information management

systems.". See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are

required in reply to the Office action to avoid abandonment of the application. The replacement

sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as

not to obstruct any portion of the drawing figures. If the changes are not accepted by the

examiner, the applicant will be notified and informed of any required corrective action in the

next Office action. The objection to the drawings will not be held in abeyance.

Specification

6.   Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

7.   The abstract of the disclosure is objected to because the abstract needs to be in a separate sheet. Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 112

8.   The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

9.   Claims 1- 22 & 24 - 27 are rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential structural cooperative relationships of elements, such omission amounting to a gap between the necessary structural connections. See MPEP § 2172.01. The omitted structural cooperative relationships are: *the "information management unit", the "administration interface", the "base", & the "substrate".*

10.   Claim 16 recites the limitation "substrate"; there is insufficient antecedent basis for this limitation in the claim.

Claim 21 & 22 recites the limitation "system" which wasn't previously disclosed in the independent claim 1 which is directed towards "unit"; there is insufficient antecedent basis for

this limitation in the claim.

Claim Rejections - 35 USC § 102

11.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 – 27 are rejected under 35 U.S.C. 102(b) as being unpatentable over Johansson.

(US Pub. 20020138568 A1)

With regard to Claim 1, a*n information management unit,* See at least (Johansson; Fig. 2 -

11) – for an information management unit.

which is arranged in an electronic network as a flow path controller for electronic data

between electronic pens and destination units, See at least (Johansson; Fig. 2; [0022 – 0024]) –

for an electronic network as path controller for electronic data between pens and destination

units. "…wireless transmission of information is effected from the digital pen DP to a network

connection unit…"

the electronic data comprising handwriting data recorded by the electronic pens and one

or more pen-resident parameters, said information management unit comprising; See at least

(Johansson; Fig. 2; [0025 – 0028]) – for electronic data includes handwriting data recorded by

the e-pen and one or more pen-resident parameters. "…SMS or fax, based on information written

on the position-coded products P by means of the digital pen DP."[0028] & "…a pen database

PDB, which includes data on all digital pens in the system, such as a unique pen identifier of

each pen and all settings or properties that are associated with each pen."[0026]

means for receiving at least part of the electronic data from an electronic pen; See at

least (Johansson; Fig. 2; Item ALS) for receiving electronic data from an electronic pen.

means for storing at least one flow control object and an associated processing

instruction, See at least (Johansson; Fig. 2; Items ALS & PDB & P & SH) for storing object

information and processing instruction.

wherein said at least one flow control object corresponds to a value of at least one of the

pen-resident parameters; See at least (Johansson; Fig. 2; [0025 – 0028]) – for control object

relate to a pen-resident parameters value. "The look-up unit ALS is also connected to a pen

database PDB, which includes data on all digital pens in the system, such as a unique pen

identifier of each pen and all settings or properties that are associated with each pen."

means for mapping the thus-received electronic data against said at least one flow

control object to identify a relevant processing instruction; See at least (Johansson; Fig. 2; [0025

– 0028]) – for a mean for mapping of received electronic identification data against each pen of

the control objects. "The look-up unit ALS is also connected to a pen database PDB, which

includes data on all digital pens in the system, such as a unique pen identifier of each pen and all

settings or properties that are associated with each pen." [0026]

   and means for directing the electronic data flow to a destination unit based on the thus-

identified processing instruction. See at least (Johansson; Fig. 2; [0007 & 0032 - 0035]) – for an

interface unit directing electronic data flow to destination units based on the identified

processing instruction. "…the database could associate one or more positions in the virtual space

with a network address to a particular service handler unit SH. The service handler unit SH is a

server unit effecting a service, such as storing or relaying digital information, or initiating

transmission of information or items to a recipient." [0007]

   With regard to Claim 2, *further comprising an administration interface which is*

connected to said means for storing and allows for entry of said at least one flow control object

and the associated processing instruction. See at least (Johansson; Fig. 2; [0007 – 0009] & [0025

– 0028]) – for an administration interface which connect to a storage mean and allows entry of

the control object and associated processing instruction from the pen. "The look-up unit ALS is

also connected to a pen database PDB, which includes data on all digital pens in the system, such

as a unique pen identifier of each pen and all settings or properties that are associated with each

pen." & "The service handler unit SH is a server unit effecting a service, such as storing or

relaying digital information, or initiating transmission of information or items to a

recipient."[0008]

With regard to Claim 3, *wherein the administration interface provides for election of at least one control parameter from a set of available pen-resident parameters,* See at least (Johansson; Fig. 2; [0007 – 0009] & [0025 – 0028]) – for an administration interface or unit provides for election of control parameter from each pen-resident parameters, for "The look-up unit ALS is also connected to a pen database PDB, which includes data on all digital pens in the system, such as a unique pen identifier of each pen and all settings or properties that are associated with each pen."

for setting a value of each elected control parameter, See at least (Johansson; Fig. 2; [0007 – 0009] & [0025 – 0028]) – for the unit setting the address parameter requested by the pens. "…the look-up unit ALS is connected to an event database GEDB, which includes data on the transactions taking place in the look-up unit ALS, i.e the address requests made by the pens in the system…"[0026]

and for generating the flow control object based thereon. See at least (Johansson; Fig. 2; [0007 – 0009] & [0025 – 0028]) – for the unit can retrieve information objects. "The look-up unit ALS comprises one or more computer servers that communicate with a database containing the virtual space and information related thereto." [0007]

With regard to Claim 4, *wherein the administration interface provides for election of at least two control parameters from a set of available pen-resident parameters;* See at least (Johansson; Fig. 2; [0007 – 0009] & [0025 – 0028]) – for the administration interface can elect at

least 2 control parameters ,like virtual space parameter and position parameter, from a set of

available pen parameters "The look-up unit ALS is also connected to a pen database PDB, which

includes data on all digital pens in the system, such as a unique pen identifier of each pen and all

settings or properties that are associated with each pen." [0026]

  and available parameters of the handwriting data, See at least (Johansson; Fig. 2; [0003

– 0009]) – for position parameters of written information by a pen. "The position code, which

codes a plurality of positions on the surface, enables electronic recording of information that is

being written on the writing surface, by means of a digital pen which detects the position

code..."[0004]

  whereupon the values of the thus-elected control parameters are logically combined to

form the flow control object. See at least (Johansson; Fig. 2; [0003 – 0009]) – for the elected

position parameters coordinates or values combined to form the written information or object.

"...the position code is capable of coding coordinates of a large number of positions, much larger

than the number of necessary positions on the product."[0005] & "The position code... enables

electronic recording of information that is being written on the writing surface ..."[0004]

  With regard to Claim 5, *wherein said at least one flow control object comprises a set of*

logically combined values of control parameters present in the electronic data. See at least

(Johansson; Fig. 2; [0003 – 0009]) – for the elected position parameters coordinates or values

combined to form the written information or object. "...the position code is capable of coding

coordinates of a large number of positions, much larger than the number of necessary positions

on the product."[0005] & "The position code... enables electronic recording of information that

is being written on the writing surface ..." [0004]

With regard to Claim 6, *wherein the associated processing instruction defines an address*

of one of the destination units; See at least (Johansson; Fig. 2; [0003 – 0009]) – for an associated

processing instruction database with an address of the designated recipient or unit in the network.

"...the database could associate one or more positions in the virtual space with a network address

to a particular service handler unit SH. The service handler unit SH is a server unit effecting a

service, such as storing or relaying digital information, or initiating transmission of information

or items to a recipient." [0007]

With regard to Claim 7, *wherein the means for directing returns the address to the*

electronic pen. See at least (Johansson; Fig. 2; [0003 – 0009]) – for a unit or an interface returns

a verification address to the e pen. *"...the service handler unit SH returns a verification thereof to*

the pen DP (step 6)." [0008]

With regard to Claim 8, *wherein the means for directing forwards the received electronic*

data to the address; See at least (Johansson; Fig. 2; [0003 – 0009]) – for a means for forwarding

a received electronic data to the address of the recipient. *"...pen DP initiates an operation to*

forward a message to the look-up unit (step 1)..." [0008]

With regard to Claim 9, *wherein the associated processing instruction also identifies an electronic communications service for transporting the received electronic data to the address;* See at least (Johansson; Fig. 2; [0003 – 0009]) – for an associated processing instruction identifies electronic communication service or a service handle unit for transporting the received electronic data to the designated address. "The pen DP then sends the message to the service handler unit SH (step 3), which instructs the pen DP on what data to send, and how to format and tag that data (step 4)."

With regard to Claim 10, *wherein the associated processing instruction identifies a format of the electronic data flow to the destination unit;* See at least (Johansson; Fig. 2; [0003 – 0009]) – for an associated processing instruction identifies a format of the data flow to the destination unit. "The pen DP then sends the message to the service handler unit SH (step 3), which instructs the pen DP on what data to send, and how to format and tag that data (step 4)." [0008]

With regard to Claim 11, *wherein the format is based on a markup language, vector graphics, or raster graphics;* See at least (Johansson; Fig. 2; [0003 – 0009]) – for a format based on a markup text. "…text and sketches written on a position-coded notepad can be transferred via the pen to a computer." [0006]

With regard to Claim 12, *wherein the associated processing instruction also identifies an image to be included in the electronic data flow to the destination unit;* See at least (Johansson;

Fig. 2; [0003 – 0009]) – for a processing instructions contains an sketched image to be send to

the destination unit as electronic data. "The combination of pen and position-coded product can

be used as an input device to a computer, a PDA, a mobile phone or the like. For example, text

and sketches written on a position-coded notepad can be transferred via the pen to a computer."

[0006]

With regard to Claim 13, *wherein the image is identified as being a background image to*

the handwriting data; See at least (Johansson; Fig. 2; [0003 – 0009]) – for a handwritten data on

the notepad is the image data being send to another destination unit. "…text and sketches written

on a position-coded notepad can be transferred via the pen to a computer." [0006]

With regard to Claim 14, *which is arranged to recreate the handwriting data based on*

the electronic data, and to forward the thus-recreated handwriting data to the destination unit;

See at least (Johansson; Fig. 2; [0003 – 0009]) – for handwriting data based on electronic

postion data to forward those data to the destination unit. "The combination of pen and position-

coded product can be used as an input device to a computer, a PDA, a mobile phone or the like.

For example, text and sketches written on a position-coded notepad can be transferred via the

pen to a computer." [0006]

With regard to Claim 15, *wherein said flow control object also corresponds to a value of*

at least one parameter of the handwriting data recorded by the electronic pen; See at least

(Johansson; Fig. 2; [0046 – 0055] & [0068 – 0073]) – for a pen database which has all the

parameter of the handwriting data, see [0026], is store by the electronic pen. "...the pen

database PDB are also stored in an internal memory M (FIG. 2) at the digital pen"[0046] &

"...which shows & an authentication code, such as a PIN code or a password, are generated for

each pen, and a private encryption key is generated and stored in the internal memory M of each

pen together with the authentication code."[0070]

With regard to Claim 16, *wherein said at least one parameter of the handwriting data*

comprises a command, or an identifier related to the substrate on which the handwriting data

was recorded by the electronic pen. See at least (Johansson; Fig. 2; [0046 – 0055] & [0068 –

0073]) – for a pen parameter comprises an identifier related to the handwriting data of the

memory or the substrate. "...the pen manufacturer stores in the internal memory M of each pen a

unique pen identifier taken from the pen identifier series, and the public encryption key of the

look-up unit ALS."[0070]

With regard to Claim 17, *wherein the identifier is at least part of an absolute position*

which is decoded by the electronic pen from a position code on the base during the recording of

the handwriting data. See at least (Johansson; Fig. 2; [0002 - 0009] & [0068 – 0073]) – for an

identifier contain in a message along with the position code which is decoded by the e-pen base

on the position and identification information during recording of handwriting data. "The

position code, which codes a plurality of positions on the surface, enables electronic recording of

information that is being written on the writing surface, by means of a digital pen which detects

the position code."[0004] & "The message contains a unique pen identifier and at least one

position from the digital information that has been recorded electronically on the writing surface

of the product P." [0008]

With regard to Claim 18, *wherein each of the pen-resident parameters identifies a*

characteristic of the electronic pen in the electronic network or a characteristic of the user of the

electronic pen; See at least (Johansson; Fig. 2; [0002 - 0009] & [0023 – 0028] & [0068 – 0073])

– for each pen parameters identifies its unique identification characteristic contain in e-pen of the

electronic network. "The look-up unit ALS is also connected to a pen database PDB, which

includes data on all digital pens in the system, such as a unique pen identifier of each pen and all

settings or properties that are associated with each pen."[00026] & "The Pen Owner Portal

retrieves, from the member package, the codes (pen identifier and PIN code) associated with the

user."[0066]

With regard to Claim 19, *wherein the pen-resident parameters comprise at least one of*

an identifier of the electronic pen, an identifier of an operator of the electronic network, an

identifier of a geographic location, an electronic mail address, a telephone number, a fax

number, and an identifier of a language. See at least (Johansson; Fig. 2; [0002 - 0009] & [0026 –

0029] & [0036 – 0040]) – for a pen resident parameters contain at least one of an identifier of

the electronic pen and others in the setting. "The look-up unit ALS is also connected to a pen

database PDB, which includes data on all digital pens in the system, such as a unique pen

identifier of each pen and all settings or properties that are associated with each pen."[00026] &

"The settings in the pen database PDB can include personal data such as name, postal address,

delivery address, e-mail address, home phone number, mobile phone number, home fax number,

business fax number, business phone number, credit card number etc"[0039]

With regard to Claim 20, *wherein said value is defined as a range of values;* See at least

(Johansson; Fig. 2; [0003 – 0009]) – for a position parameter or value defined as a number of

positions parameters or values. "…the position code is capable of coding coordinates of a large

number of positions, much larger than the number of necessary positions on the product. Thus,

the position code can be seen as forming a virtual space which is defined by all

positions…"[0005]

With regard to Claim 21, *an information management system, comprising a plurality of*

electronic pens and the information management unit of claim 1. See at least (Johansson; Fig. 2;

[0022 - 0026]) – for a polarity of digital pens and a information management unit. "…a

multitude of digital pens DP and position-coded products p (only one of each shown in FIG. 2), a

look-up unit ALS, and a plurality of service handler units SH (only one shown in FIG. 2)."

[0022]

With regard to Claim 22, *An information management system, comprising a plurality of*

bases that each has a position code that codes at least one absolute position, See at least

(Johansson; Fig. 2; [0004 - 0008] & [0024 -0026]) – for a plurality of products or bases that each

equipped with a position code that codes at least one absolute position. *"…a plurality of products*

P with a position code PC a lock-up unit ALS, and a plurality of service handler units

SH."[0007] & "The position code, which codes a plurality of positions on the surface, enables electronic recording of information that is being written on the writing surface, by means of a digital pen which detects the position code. The product also has one or more activation icons which, when detected by the digital pen, cause the pen to initiate a respective predetermined operation which utilizes the information recorded by the pen." [0004]

a plurality of electronic pens which record their movement on any one of said bases as handwriting data by converting the position code to said at least one absolute position, See at least (Johansson; Fig. 2; [0004 - 0008] & [0024 -0026]) – for a plurality of pens which record the movement on the products or bases as writing data by converting the position code to position. *"...a plurality of products P with a position code PC a lock-up unit ALS, and a plurality of service handler units SH."*[0007] & "The position code, which codes a plurality of positions on the surface, enables electronic recording of information that is being written on the writing surface, by means of a digital pen which detects the position code. The product also has one or more activation icons which, when detected by the digital pen, cause the pen to initiate a respective predetermined operation which utilizes the information recorded by the pen." [0004]

and the information management unit; See at least (Johansson; Fig. 2) - for an information management unit or system on Fig 2.

With regard to Claim 23, a *method of controlling a flow of electronic data between electronic pens and destination units in an electronic network,* See at least (Johansson; Fig. 2;

[0022 – 0024] &) – for a method of controlling a flow of data between electronic pens and

destination units in an electronic network. "The system of FIG. 2 includes a multitude of digital

pens DP and position-coded products P (only one of each shown in FIG. 2), a look-up unit ALS,

and a plurality of service handler units SH (only one shown in FIG. 2)." [0022] & "…wireless

transmission of information is effected from the digital pen DP to a network connection unit…"

[0023]

   the electronic data comprising handwriting data recorded by the electronic pens and one

or more pen-resident parameters, See at least (Johansson; Fig. 2; [0025 – 0028]) – for electronic

data includes handwriting data recorded by the e-pen and one or more pen-resident parameters.

"…SMS or fax, based on information written on the position-coded products P by means of the

digital pen DP."[0028] & "…a pen database PDB, which includes data on all digital pens in the

system, such as a unique pen identifier of each pen and all settings or properties that are

associated with each pen."[0026]

   said method comprising: receiving at least part of the electronic data from an electronic

pen; See at least (Johansson; Fig. 2; Item ALS) for receiving electronic data from an electronic

pen.

   mapping the thus-received electronic data against at least one flow control object to

identify a relevant processing instruction, See at least (Johansson; Fig. 2; [0025 – 0028]) – for a

mean for mapping of received electronic identification data against each pen of the control

objects. "The look-up unit ALS is also connected to a pen database PDB, which includes data on

all digital pens in the system, such as a unique pen identifier of each pen and all settings or

properties that are associated with each pen." [0026]

wherein said at least one flow control object corresponds to a value of one of the pen-

resident parameters; See at least (Johansson; Fig. 2; [0025 – 0028]) – for control object relate to

a pen-resident parameters value. "The look-up unit ALS is also connected to a pen database

PDB, which includes data on all digital pens in the system, such as a unique pen identifier of

each pen and all settings or properties that are associated with each pen." [0026]

and directing the electronic data flow to a destination unit based on the thus-identified

processing instruction. See at least (Johansson; Fig. 2; [0033 - 0039]) – for an interface unit

directing electronic data flow to destination units based on the identified processing instruction.

With regard to Claim 24, *further comprising providing an administration interface which*

allows for entry of said at least one flow control object and the associated processing

instruction. See at least (Johansson; Fig. 2; [0007 – 0009] & [0025 – 0028]) – for an

administration interface which connect to a storage mean and allows entry of the control object

and associated processing instruction from the pen. "The look-up unit ALS is also connected to

a pen database PDB, which includes data on all digital pens in the system, such as a unique pen

identifier of each pen and all settings or properties that are associated with each pen." & "The

service handler unit SH is a server unit effecting a service, such as storing or relaying digital

information, or initiating transmission of information or items to a recipient."[0008]

With regard to Claim 25, *further comprising operating the administration interface to elect at least one control parameter from a set of available pen-resident parameters,* See at least (Johansson; Fig. 2; [0007 – 0009] & [0025 – 0028]) – for an administration interface or unit provides for election of control parameter from each pen-resident parameters, for "The look-up unit ALS is also connected to a pen database PDB, which includes data on all digital pens in the system, such as a unique pen identifier of each pen and all settings or properties that are associated with each pen." [0026]

enter a value of each elected control parameter, See at least (Johansson; Fig. 2; [0007 – 0009] & [0025 – 0028]) – for the unit setting the address parameter requested by the pens. "…the look-up unit ALS is connected to an event database GEDB, which includes data on the transactions taking place in the look-up unit ALS, i.e the address requests made by the pens in the system…"[0026]

and generate the flow control object based thereon. See at least (Johansson; Fig. 2; [0007 – 0009] & [0025 – 0028]) – for the unit can retrieve information objects. "The look-up unit ALS comprises one or more computer servers that communicate with a database containing the virtual space and information related thereto." [0007]

With regard to Claim 26, *wherein the administration interface provides for election of at least two control parameters,* See at least (Johansson; Fig. 2; [0007 – 0009] & [0025 – 0028]) – for the administration interface can elect at least 2 control parameters ,like virtual space parameter and position parameter, from a set of available pen parameters "The look-up unit ALS is also connected to a pen database PDB, which includes data on all digital pens in the system, such as a unique pen identifier of each pen and all settings or properties that are associated with each pen." [0026]

whereupon the values of the thus-elected control parameters are logically combined to form the flow control object. See at least (Johansson; Fig. 2; [0003 – 0009]) – for the elected position parameters coordinates or values combined to form the written information or object. "…the position code is capable of coding coordinates of a large number of positions, much larger than the number of necessary positions on the product."[0005] & "The position code… enables electronic recording of information that is being written on the writing surface …"[0004]

With regard to Claim 27, *wherein said at least one flow control object comprises a set of logically combined control parameter values.* See at least (Johansson; Fig. 2; [0003 – 0009]) – for the elected position parameters coordinates or values combined to form the written information or object. "…the position code is capable of coding coordinates of a large number of positions, much larger than the number of necessary positions on the product."[0005] & "The position code… enables electronic recording of information that is being written on the writing surface …" [0004]

Conclusion

Prior Art

12.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Boals at el. (US Pub. 20030146907) - The present invention relates to a pen-based device portable personal computer system, and more particularly, to a pen-based portable personal computer system that is adapted to operate in both a pen mode and a mouse mode, utilizing a passive stylus as an input device.

Bi (US Pat. 6924790) - The present invention relates to a pen-based device portable personal computer system, and more particularly, to a pen-based portable personal computer system that is adapted to operate in both a pen mode and a mouse mode, utilizing a passive stylus as an input device.

Moriya et al. (US Pat. 6727891) - This invention relates to small digital informational devices, such as personal digital assistants (PDA) and cellular mobile telephones, and, in particular to means for inputting graphical and spatial information into such devices.

Murphy (US Pub. 20030197736 A1) - The present invention is a method and apparatus for entry of alphanumeric characters or symbols, employing fewer, data entry keys than the number of characters to be selected from. In particular the invention "multiplexes" a given display area to control the display of specific character groupings and to facilitate user selection and entry or editing of characters.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PAKEE FANG whose telephone number is (571)270-7219. The examiner can normally be reached on Monday-Friday 9AM-5PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patel Ramesh can be reached on (571)272-3688. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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